

FIG. 1

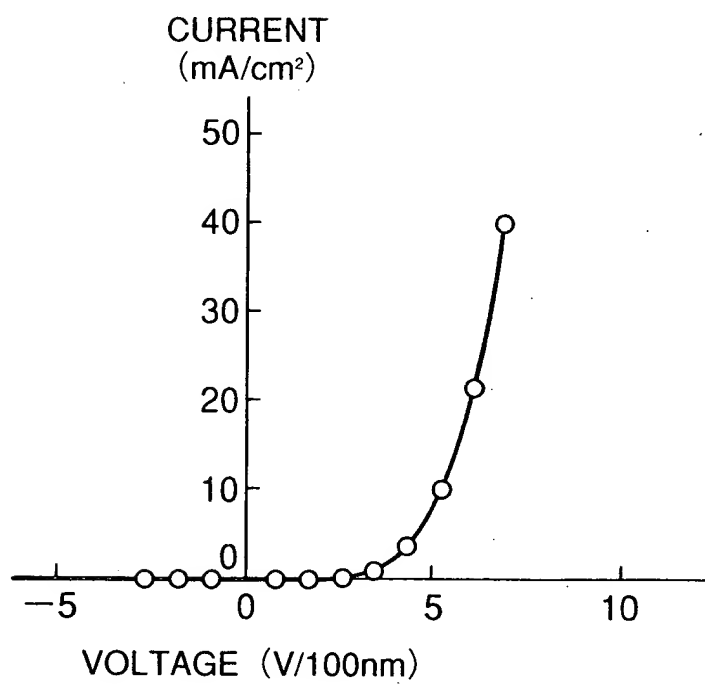


FIG. 2

A graph showing the current-voltage characteristics of a 100 nm wide nanowire. The y-axis is labeled 'CURRENT (mA/cm²)' and ranges from 0 to 40. The x-axis is labeled 'VOLTAGE (V/100nm)' and ranges from -5 to 10. The data points show zero current for negative voltages and a sharp increase for positive voltages above 4 V/100nm.

| Voltage (V/100nm) | Current (mA/cm²) |
|-------------------|------------------|
| -4.0 | 0 |
| -3.0 | 0 |
| -2.0 | 0 |
| -1.0 | 0 |
| 0.0 | 0 |
| 1.0 | 0 |
| 2.0 | 0 |
| 3.0 | 0 |
| 4.0 | 0.5 |
| 5.0 | 1.0 |
| 6.0 | 6.0 |
| 7.0 | 15.0 |
| 8.0 | 29.0 |

A line graph showing the relationship between LUMINANCE (cd/m²) on the y-axis and CURRENT (mA/cm²) on the x-axis. The y-axis has major ticks at 0, 5000, 10000, and 15000. The x-axis has major ticks at 0, 200, 400, and 600. Five data points are plotted as open circles, and a straight line is drawn through them, starting from the origin (0,0). The data points are approximately at (0, 0), (50, 1000), (150, 3500), (250, 6000), and (400, 11000).

| CURRENT (mA/cm ²) | LUMINANCE (cd/m ²) |
|-------------------------------|--------------------------------|
| 0 | 0 |
| 50 | 1000 |
| 150 | 3500 |
| 250 | 6000 |
| 400 | 11000 |

FIG. 4

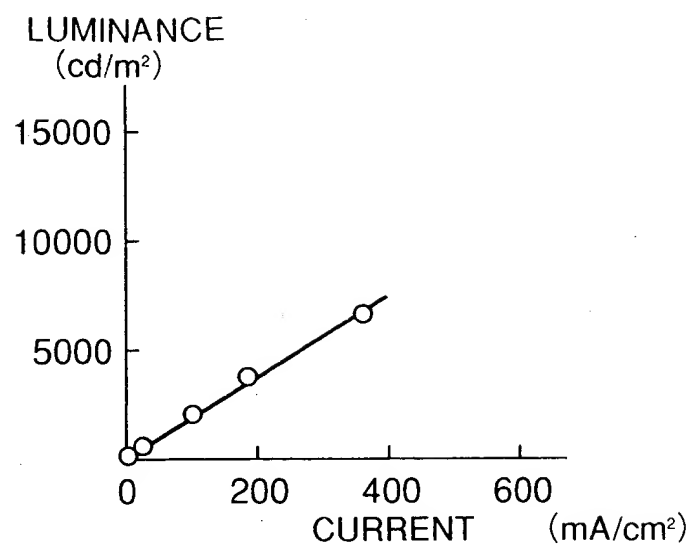


FIG. 5

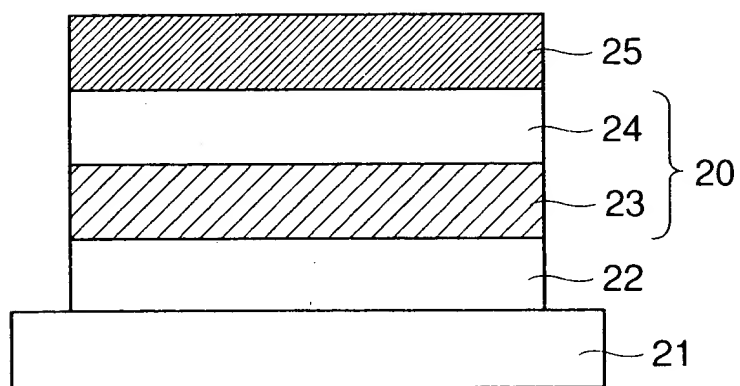


FIG. 6

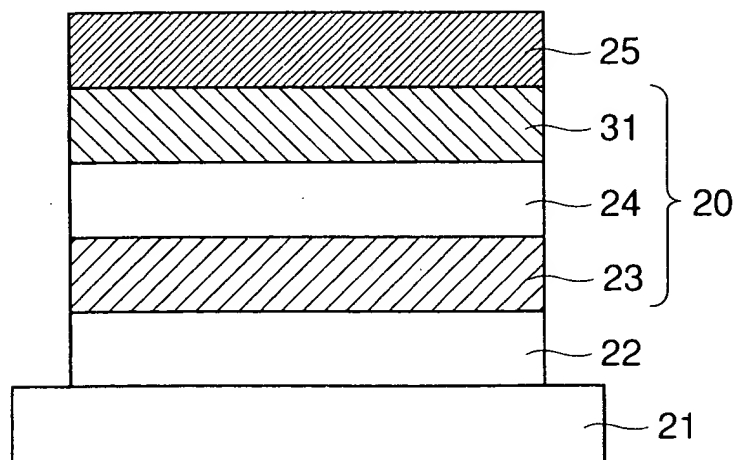


FIG. 7